

Comparisons of Job Characteristics

Focus Occupation: [Biological Science Teachers, Postsecondary \(25-1042\)](#)

Associated Occupation: [Farm and Home Management Advisors \(25-9021\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 62

Focus Occupation: Biological Science Teachers, Postsecondary (25-1042)

Associated Occupation: Farm and Home Management Advisors (25-9021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Education and Training	9.2	21.1	19.4	0	Current knowledge level may be sufficient
Customer and Personal Service	11.3	16.2	7.8	<<	Extensive education and/or training may be required
Administration and Management	8.4	14.0	8.0	<<	Extensive education and/or training may be required
Food Production	2.1	14.0	1.9	<<	Extensive education and/or training may be required
Biology	3.7	12.0	22.2	>>	Current knowledge level is likely more than sufficient
Communications and Media	5.3	11.0	7.6	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	10.2	5.6	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	8.6	2.5	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	8.3	2.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Biological Science Teachers, Postsecondary (25-1042)

Associated Occupation: Farm and Home Management Advisors (25-9021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Speaking	10.8	15.9	18.2	>	Skill level is likely sufficient
Active Listening	11.0	15.3	13.6	<	A higher skill level may be required

Learning Strategies	7.2	14.8	13.3	<	A higher skill level may be required
Active Learning	8.7	14.1	13.3	0	Current skill level may be sufficient
Judgment and Decision Making	9.4	13.5	11.6	<	A higher skill level may be required
Complex Problem Solving	9.1	13.3	12.0	<	A higher skill level may be required
Social Perceptiveness	9.1	13.3	10.3	<<	Extensive development of skills in this area may be required
Coordination	9.1	13.2	8.8	<<	Extensive development of skills in this area may be required
Instructing	7.8	13.2	15.7	>	Skill level is likely sufficient
Service Orientation	7.9	12.9	8.6	<<	Extensive development of skills in this area may be required
Systems Analysis	6.5	12.8	7.9	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	12.6	7.9	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Biological Science Teachers, Postsecondary (25-1042)

Associated Occupation: Farm and Home Management Advisors (25-9021)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	17.0	20.4	>>	Current ability level is likely more than sufficient
Oral Comprehension	12.5	16.6	18.1	0	Current ability level may be sufficient
Speech Clarity	10.2	15.4	16.8	0	Current ability level may be sufficient
Speech Recognition	9.9	14.2	10.8	<<	Extensive improvement in abilities may be required
Inductive Reasoning	10.2	13.8	13.3	0	Current ability level may be sufficient
Fluency of Ideas	7.6	13.2	9.3	<<	Extensive improvement in abilities may be required
Originality	7.6	12.6	10.0	<	Some improvement in abilities may be required
Number Facility	6.3	10.0	5.0	<<	Extensive improvement in abilities may be required
Memorization	5.6	9.4	7.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 65

Focus Occupation: Biological Science Teachers, Postsecondary (25-1042)
Associated Occupation: Farm and Home Management Advisors (25-9021)

Work Activities	Exclusivity of Activity
Convert information into instructional program	38
Develop instructional materials	38
Use oral or written communication techniques	1
Use public speaking techniques	13
Use teaching techniques	29

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Biological Science Teachers, Postsecondary (25-1042)
Associated Occupation: Farm and Home Management Advisors (25-9021)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.